Amendments to the Specification:

Please replace the paragraph at page 13, lines 25-31 with the following replacement paragraph:

In some embodiments, the chemical oxidation systems and methods of the invention can be utilized in above-grade tanks or containers to treat soil and/or groundwater, preferably using nested injection points, diffusers or spray nozzles. In such embodiments, contaminated soil and/or groundwater is removed from the ground and placed in container 29 (see Figure 2A)~~containerized~~. The present chemical oxidation methods are then utilized to remediate the contaminants in the soil and/or groundwater. The locations and placement of the injection points, diffusers or spray nozzles can be varied to achieve the maximum effect.

Please replace the paragraph at page 16, lines 7-17 with the following replacement paragraph:

To achieve greater distribution, and thus afford an effective radius-of-influence at each injection point, in some embodiments, the ozone/oxygen or hydrogen peroxide stream is combined with compressed atmospheric air. The total flow rate of the ozone, oxygen, and compressed air stream is high enough to create a radius-of-influence of greater than 15 feet at each injection location at certain sites, to remediate absorbed phase contaminants in, for example, surrounding saturated soils in addition to dissolved-phase contaminants. Typically, a system according to the first aspect of the invention can deliver up to about 40 scfm of ozone, oxygen, and/or air. In some embodiments, the gas flows through the conduit at a flow rate between about 0.1 and 150 scfm. The ozone concentration of the injected gas stream can be between 1,000 ppmv and 100,000 ppmv, depending on cycling frequencies of the compressed air system. In systems according to the second and third aspects of the invention, the systems can deliver up to about 30 scfm of gas such as ozone, oxygen, and/or air.